



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 3, 2017

Haley Wade
Regulatory Assistant
Control Solutions, Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507-1041

Subject: Label Amendment – Addition of “kills queen and colony” marketing claim
Product Name: Bifenthrin 0.1% Lawn Granules
EPA Registration Number: 53883-121
Application Date: December 1, 2016
Decision Number: 524342

Dear Ms. Wade:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Tim Ciarlo by phone at 703-347-8082, or via email at Ciarlo.Timothy@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kable Bo Davis', enclosed within a large, hand-drawn oval.

Kable Bo Davis, Product Manager 3
Invertebrate and Vertebrate Branch 1
Registration Division (7505P)
Office of Pesticide Programs

Bifenthrin 0.1% Lawn Granules

[alt name: Surrender brand Bifen Lawn & Perimeter Insect Granules]

For Residential Lawn, Home Perimeter, Ornamental & Flower Gardens, and Home Garden Use Only

[optional marketing statements in brackets]

[Fire Ant Killer]

[Bifenthrin 0.1% Lawn Granules] is a ready to use granular insecticide that when applied properly will control listed insects feeding above and below the ground; including:

- [Fire] Ants
- Fleas
- Ticks
- Mole crickets
- Chinch bugs
- Other lawn-damaging insects

[Bifenthrin 0.1% Lawn Granules will not damage your lawn].

[Treats up to 7,000 sq. ft. *{for 8.4 lbs size}*]

[Treats up to 8,333 sq. ft. *{for 10 lbs size}*]

[Treats up to 20,833 sq. ft. *{for 25 lbs size}*]

[Treats up to 13,000 sq. ft. *{for 15.6 lbs size}*]

[Treats up to 22,000 sq. ft. *{for 28 lbs size}*]

[Fast acting and odor free]

[For use on lawns, home perimeter, ornamental & flower gardens]

[[Kills] [Controls] listed insects in lawns and landscapes]

[[Kills] [Controls] Ants, Fleas, Ticks and other listed insects/bugs]

[Covers up to 16,000 sq. ft. per 20 lbs]

[[Kills] [Controls] Chinch Bugs, Mole Crickets, & Grubs]

[[Kills] [Controls] listed insects above & below the ground]

[[Kills] [Controls] listed surface and sub-surface insects]

[Ready to use]

[Keeps insects away for up to 2 months [8 weeks]

[[Kills] [Controls] 50 + listed insects]

[Easy to use]

[Not harmful to grasses]

[Controls/kills listed lawn-destroying/lawn-invading pests/insects/bugs]

[Covers/Treats up to 8,300 sq ft. per 10 lbs.]

[Covers up to 16,600 sq. ft. per 20 lbs.]

[Covers up to 5,000 sq. ft. per 6 lbs.]

[Creates a pest/insect/bug barrier around your home]

[Exceptional Value!]

[Kills Chinch Bugs, Mole Crickets, Grubs and Cutworms, plus other listed insects]

[Easy to spread]

[Soil-penetrating formula reaches deep below ground]

[Deep-reaching formula that kills listed lawn-destroying insects]

[Guaranteed to work or your money back]

[Satisfaction Guaranteed]

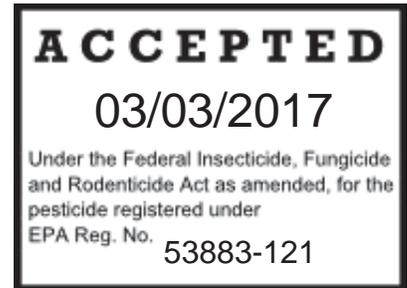
[The smart solutions to pest/insect/bug problems]

[Solves your listed pest/insect/bug problems]

[Outdoor use only]

[Kills listed Lawn Insects and Keeps Them Away for Up to 2 Months [8 weeks]]

[Kills listed insects/bugs by contact]



[Kills in 24 hours]
 [Kills overnight]
 [Kills Ants Outside so They Can't Come Inside!]
 [Easy to Use Resealable Shaker Bag]
 [Resealable Bag]
 [Slide zipper tab to open bag (with simple illustration showing bag with notch to slide arrow)]
 [Pull apart to break apart (with simple illustration showing bag pulled apart with arrows)]
 [Deep Reaching Formula]
 [Kills Grubs & Mole Crickets]
 [[Broadcast][Yard] and Mound [Treatment][Application]]
 [Broadcast Application]
 [Yard Protection]
 [[Broadcast][Yard]Treatment covers up to 7,000 sq. ft. {for 8.4 lbs size}]
 [[Broadcast][Yard]Treatment covers up to 8,333 sq. ft. {for 10 lbs size}]
 [[Broadcast][Yard]Treatment covers up to 20,833 sq. ft. {for 25 lbs size}]
 [[Broadcast][Yard]Treatment covers up to 13,000 sq. ft {for 15.6 lbs size}]
 [[Broadcast][Yard]Treatment covers up to 16,000 sq. ft {for 20 lbs size}]
 [[Broadcast][Yard]Treatment covers up to 22,000 sq. ft {for 28 lbs size}]
 [Outdoor Use™]
 [[Made][Manufactured] in the USA]
 [Kills queen and colony]

This product is:

- Virtually Odor-Free
- Fast Acting
- Kills Ants, Fleas, Spiders, Ticks & Other Listed Insects
- Not harmful to grasses
- Kills Listed Lawn & Garden pests/insects/bugs
- Kills/controls listed pests/insects/bugs in lawns & landscapes

Active Ingredient	
Bifenthrin*	0.1%
Other Ingredients	<u>99.9%</u>
Total.	100.0%

*Cis isomers 97% minimum, trans isomers 3% maximum.

Control Solutions, Inc.
 5903 Genoa-Red Bluff
 Pasadena, TX 77507-1041
 EPA Reg. No. 53883 – 121
 EPA Est. No. 53883-XX-XXX

Net Contents _____

KEEP OUT OF REACH OF CHILDREN

CAUTION

[See additional precautionary statements on back of bag.]

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by the poison control center or doctor.• Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® (866) 897-8050 for emergency medical treatment information	
NOTE TO PHYSICIAN: This product is a pyrethroid. If large amounts have been ingested, milk, cream and other digestible fats and oils may increase absorption and so should be avoided.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

In New York, this product may NOT be applied to any grass or turf area (lawns) within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).

In New York State, do make a single repeat application of Bifenthrin 0.1% Lawn Granules if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

Do not allow children or pets to enter the area until dry.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

Apply this product directly to the lawn or garden area. Water treated area as directed on this label. Do not water to the point of run-off.

Do not make applications during the rain.

LAWN, HOME PERIMETER, ORNAMENTALS & FLOWER GARDENS

Surface Feeding Insects

Bifenthrin 0.1% Lawn Granules is intended to control ants, including

- Carpenter
- Red Harvester
- Odorous Pyramid
- Pharaoh (Sugar)
- Fire Ants, Foraging Fire Ants

Armyworms including

- Fall Armyworms

Billbug Including

- Bluegrass Billbug

Cutworms including

- Black Cutworms

Weevils including

- Hypernodes and Bluegrass

Other insects include

- Chiggers, Chinch Bugs, Cockroaches, Crickets, Earwigs, Grasshoppers, Mealybugs, Pillbugs, Silverfish, Sod Webworms (Lawn Moth), and Sowbugs.

Application Instructions:

Apply **Bifenthrin 0.1% Lawn Granules** evenly at the rate of 1.2 to 2.4 pounds per 1,000 sq. ft. by using any hand held or power operated gravity or rotary type spreader designed for the application of granular materials. A 12-pound bag will treat a 5,000 to 10,000 square feet area. *Optional language for other bag sizes [XX pound bag should treat XX, XXX sq. ft.]*

Bifenthrin 0.1% Lawn Granules should be applied when insects first appear. If suitable signs of renewed insect activity become apparent and re-treatment becomes necessary, applications must be limited to no more than one application per a seven day period and at the instructed rate to obtain best results. Best results will be obtained by thoroughly watering the treated area immediately after application.

Argentine Ants, Black Turf Ants, Black Turfgrass Ataenius, Fleas (including Cat Fleas), Leafhoppers, Spiders (including Brown Recluse Spiders) and Ticks (including Brown Dog Ticks)	Evenly apply 2.4 pounds of Bifenthrin 0.1% Lawn Granules over a 1,000 sq. ft. area (or 3.84 ounces [4 ounces] over a 100 sq. ft. area). Irrigate or water thoroughly immediately after application.
Centipedes, Millipedes, Pavement Ants	Uniformly apply 4.8 pounds Bifenthrin 0.1% Lawn Granules over a 1,000 sq. ft. area (or 7.68 ounces [8 ounces] over a 100 sq. ft. area). Irrigate or water thoroughly immediately after application.
Mole Crickets (including Tawny Mole Crickets)	Uniformly apply 2.4 to 4.8 pounds Bifenthrin 0.1% Lawn Granules over a 1,000 sq. ft. area (or 3.84 to 7.68 ounces [4 to 8 ounces] over a 100 sq. ft. area). Treat Mole Crickets in late spring. Irrigate or water thoroughly immediately after application.
Fire Ant Mounds	Gently sprinkle 1/2 cup of product over, and 2 feet around, each mound. To maximize product performance, slowly and gently water-in 1 to 2 gallons of water to limit run-off from the mound and reduce the chance of disturbing the ants.
** Food utensils such as tablespoons/teaspoons must not be used for food purposes after use in measuring pesticides.	

SPREADER TIPS				
Spreader	Spreader Settings: Pounds of Product per 1,000 sq. ft.			Directions
	1.2	2.4	4.8	
Scotts® AccuGreen® Drop Spreader	X	X	X	Mow lawn first if grass is tall enough to touch the bottom of the spreader. First apply two header strips. Operate spreader the longest way of the lawn. Overlap wheel marks to ensure uniform feeding. Shut off spreader when you have reached the header strips or stopped.
Scotts® SpeedyGreen® Rotary	X	X	X	Shut off spreader anytime you stop. For complete coverage make each pass about five feet from the previous one, so some overlapping occurs. Avoid applying this product on flower, vegetable, and shrub plantings.

When using other spreaders, calibrate the spreader settings based on the manufacturer's recommendations.

Ornamental Flower Beds (Outdoor)

Pests Controlled: Ants, crickets, earwigs, grasshoppers, spiders and ticks.

Application Instructions:

Evenly apply 1/2 lb. of **Bifenthrin 0.1% Lawn Granules** for every 500 sq. ft. (or 2 ounces for every 50 sq. ft. area). Repeat application as necessary only if there are signs of renewed insect activity. Repeat applications must be limited to no more than once per 7 days.

Home Invading Insects - Barrier Treatment Around House Foundations

Pests Controlled: Ants, chiggers, crickets, earwigs, grasshoppers, spiders and ticks.

Application Instructions:

Apply a 2-foot band of **Bifenthrin 0.1% Lawn Granules** next to the house foundation. Use 1/2 lb. for each 500 sq. ft. (2 ft. x 250 ft.) (or 2 ounces for each 50 sq. ft. (2 ft. x 25 ft.)). Repeat applications every 2 weeks only if there are signs of renewed insect activity.

SPREADER TIPS		
Spreader	Spreader Settings: Covers X,XXX sq. ft.	Directions
Scotts® AccuGreen® drop Spreader	X	Mow lawn first if grass is tall enough to touch the bottom of the spreader. First apply two header strips. Operate spreader the longest way of the lawn. Overlap wheel marks to ensure uniform feeding. Shut off spreader when you have reached the header strips or stopped.
Scotts® Easy Green® Rotary	X	Slide shut-off lever to the right; application automatically starts and stops when you do. For complete coverage make each pass about 30 inches from the previous one so some overlapping occurs.
Scotts® SpeedyGreen® Rotary	X	Shut off spreader anytime you stop. For complete coverage make each pass about five feet from the previous one, so some overlapping occurs. Avoid applying this product on flower, vegetable, and shrub plantings.

(Bag Size Specific)

SPREADER TIPS				
Spreader	Spreader Settings: Pounds of Product per 500/1000 sq. ft.			Directions
	0.5/1.2	1.2/2.4	2.4/4.8	
Scotts® AccuGreen® Drop Spreader	X	X	X	Mow lawn first if grass is tall enough to touch the bottom of the spreader. First apply two header strips. Operate spreader the longest way of the lawn. Overlap wheel marks to ensure uniform feeding. Shut off spreader when you have reached the header strips or stopped.
Scotts® SpeedyGreen® Rotary	X	X	X	Shut off spreader anytime you stop. For complete coverage make each pass about five feet from the previous one, so some overlapping occurs. Avoid applying this product on flower, vegetable, and shrub plantings.

When using other spreaders, calibrate the spreader settings based on the manufacturer's recommendations.

Home Vegetable Gardens

Application Instructions:

Make a single application of **Bifenthrin 0.1% Lawn Granules** just prior to planting or after plants emerge. Work into the top 4 to 6 inches of soil. Use 5 cups (1/2 lb.) for a 500 sq. ft. area.

Vegetables	Days to Wait to Harvest	Pests
Green peas, Edible Pods (Sugar Snap Peas, Snow Peas), Green Beans (Wax Beans, Snap Beans), Dry Beans (Blackeyed Peas, Cowpea)	3 days	Ants, cutworms, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms
Sweet Corn	1 day	Ants, armyworms, cutworms, crickets, earwigs, European corn borer, fall armyworm, grasshoppers, southwestern corn borer and weevils.
Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Cavalo Broccoli, Chinese Broccoli, Chinese Cabbage, Kohlrabi	7 days	Ants, cutworms, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms
Cucurbit Vegetables Chayote, Citron melon, Cucumber, Edible Gourd Muskmelon (cantaloupe, casaba, Crenshaw melon, Golden melon, Honeydew melon, Pineapple melon, Santa Claus melon, Snake melon) Pumpkin, Summer squash (Crookneck, Scallop, Straightneck, Zucchini) Winter squash (Butternut, Calabaza, Hubbard including Acorn and Spaghetti) Watermelon	3 days	Ants, cutworms, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms
Tomatoes	1 day	Ants, cutworms, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms
Peppers	7 days	Ants, cutworms, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms
Eggplant	7 days	Ants, cutworms, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms
Head Lettuce	7 days	Ants, cutworms, earwigs, grasshoppers, grubs, seed maggots, weevils and wireworms

HOME VEGETABLE GARDEN SPREADER TIPS		
Spreader	5 Cups (1/2 lb.) of Product for 500 sq. ft.	Directions
Scotts® AccuGreen® Drop Spreader	X	Operate spreader the longest way of the garden area. Overlap wheel marks to ensure uniform feeding. Shut off spreader when you have reached the header strips or stopped.
Scotts® SpeedyGreen® Rotary	X	Shut off spreader anytime you stop. For complete coverage make each pass about five feet from the previous one, so some overlapping occurs.
Ferti-lome® Yard-Right Hand-Held Spreader	X	<ol style="list-style-type: none"> 1. Make certain setting selector is in closed position. Fill hopper with 1.2 lbs. of Bifenthrin 0.1% Lawn granules for every 500 sq. ft. of treatment area. 2. Adjust selector to the #2 setting. 3. Apply product evenly over area walking at a steady pace while turning hand crank. If you apply a second application, spread at right angle to first application. 4. The spreader will apply a uniform swath 6 ft. to 12 ft. wide. Note the path of the product spread and adjust for the return swath to avoid overlapping product.

When using other spreaders, calibrate the spreader settings based on the manufacturer's recommendations.

STORAGE AND DISPOSAL
<p>Do not contaminate water, food, or feed by storage or disposal.</p> <p>PESTICIDE STORAGE: <i>Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use close tightly.</i></p> <p>Container Disposal: If Empty: <i>Non-refillable container. Do not reuse or refill this container. Empty container through use according to label instructions. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain.</i></p>

NOTICE: To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this product not in accordance with directions.

[Outdoor Use™ is a registered trademark of GroTec, Inc.]